

Serial No. 09/924,044

RD-24899/USA-4

LISTING OF CLAIMS

1.-19. (Cancelled)

20. (Previously presented) A system for the treatment of silicone emulsion waste consisting essentially of:

a silicone emulsion waste reservoir containing surfactant stabilized silicone emulsion waste;

at least one chemical tank containing a basic compound or admixture that has a pH of between about 9 and about 14 for separating the silicone emulsion waste;

at least one mixing tank in communication with the silicone emulsion waste reservoir and the at least one chemical tank, wherein the silicone emulsion waste and the basic compound or admixture are mixed in the mixing tank and the surfactant stabilized silicone emulsion waste is separated into a silicone oil laden liquid and emulsion-free water;

a water tank which receives the emulsion-free water from the mixing tank; and

an oil tank which receives silicone oil liquid from the mixing tank.

21.-22. (Cancelled)

23. (Previously presented) A system for the treatment of silicone emulsion waste consisting essentially of:

a silicone emulsion waste reservoir containing surfactant stabilized silicone emulsion waste;

at least one chemical tank containing a basic compound or admixture that has a pH of between about 9 and about 14 for separating the silicone emulsion waste;

at least one mixing tank in communication with the silicone emulsion waste reservoir and the at least one chemical tank, wherein the silicone emulsion waste and the basic compound or admixture are mixed in the mixing tank and the surfactant stabilized

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silicone emulsion waste is separated into a silicone oil laden liquid and emulsion-free water;

a water tank which receives the emulsion-free water from the mixing tank;

an oil tank which receives the silicone oil laden liquid from the mixing tank; and

an incinerator, in communication with the oil tank, for treatment of the silicone oil laden liquid.

24. (Previously presented) A system for the treatment of silicone emulsion waste consisting essentially of:

a silicone waste reservoir containing surfactant stabilized silicone emulsion waste;

at least one chemical tank containing a basic compound or admixture that has a pH of between about 9 and about 14 for separating the silicone emulsion waste;

at least one mixing tank in communication with the silicone emulsion waste reservoir and the at least one chemical tank, wherein the silicone emulsion waste and the basic compound or admixture are mixed in a mixing tank and the surfactant stabilized silicone emulsion waste is separated into a silicone oil laden liquid and emulsion-free water;

a water tank which receives the emulsion-free water from the mixing tank;

an oil tank which receives silicone oil liquid from the mixing tank; and

a wastewater treatment plant, in communication with the water tank, for treatment of the emulsion-free water.

25. (Previously presented) The system of Claim 20 wherein the basic compound or admixture comprises sodium hydroxide.

26. (Previously presented) The system of Claim 25 wherein the sodium hydroxide is provided in a concentration of from about 8% to about 12%.

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27. (Previously presented) The system of Claim 25 wherein the basic compound or admixture includes sodium chloride.
28. (Previously presented) The system of Claim 20 wherein the basic compound or admixture comprises sodium carbonate.
29. (Previously presented) The system of Claim 28 wherein the sodium carbonate is provided in a concentration of from about 3% to about 10%.
30. (Previously presented) The system of Claim 28 wherein the basic compound or admixture includes sodium chloride.